

**Notice of Allowability**

Application No.

10/067,595

Examiner

Ramesh B. Patel

Applicant(s)

KIRSHENBAUM, EVAN RANDY

Art Unit

2121

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to 5/12/2004.
2. ☒ The allowed claim(s) is/are 18-33 (renumbered as 1-16 respectively).
3. ☒ The drawings filed on 04 February 2002 are accepted by the Examiner.
4. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
  - a) ☐ All b) ☐ Some\* c) ☐ None of the:
    1. ☐ Certified copies of the priority documents have been received.
    2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
    3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

\* Certified copies not received: \_\_\_\_\_.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

**THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

5. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
6. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
  - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
    - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date \_\_\_\_\_.
  - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date \_\_\_\_\_.

Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
7. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

**Attachment(s)**

1. ☒ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☐ Information Disclosure Statements (PTO-1449 or PTO/SB/08),  
Paper No./Mail Date \_\_\_\_\_
4. ☐ Examiner's Comment Regarding Requirement for Deposit  
of Biological Material
5. ☐ Notice of Informal Patent Application (PTO-152)
6. ☐ Interview Summary (PTO-413),  
Paper No./Mail Date \_\_\_\_\_
7. ☐ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other \_\_\_\_\_

Ramesh B. Patel  
Primary Examiner  
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### DETAILED ACTION

1. Claims 18-33 are allowed. Claims 1-17 have been canceled due to the amendment filed on 5/12/2004.
2. The following is an examiner's statement of reasons for allowance: applicant's arguments filed on 5/12/2004 regarding claims 18-33 are persuasive, specifically regarding claim 18, a method for predicting success/failure of a final product being processed along a manufacturing line, the method comprising: the current process data including one of a measurement and a test performed on the subassembly at the at least one processing stage; obtaining historical process data from prior subassemblies being processed along the same manufacturing line as the subassembly, the historical process data being from the prior subassemblies while at the at least one processing stage; and predicting, using both the historical process data and the current process data, success/failure of the subassembly if the subassembly is assembled to the final product, wherein predicting occurs before assembly of the final product; claims 19-24 depends on allowable claim 18; regarding claim 25, a computer readable medium having computer readable program code embodied therein in for causing a computer to perform: obtaining historical process data from prior subassemblies processed along the same manufacturing line as the subassembly, the historical process data being from the prior subassemblies while at the at least one processing stage; predicting, using both the historical process data and the current process data, success/failure of the

subassembly if the subassembly is assembled to the final product, wherein the predicting success/failure occurs before assembly of the final product; verifying actual success/failure of the final product; and modifying performance of the predicting success/failure based on a result from the verifying actual success/failure of the final product; claims 26-29, depends on allowable claim 25; and regarding claim 30, a method for predicting success/failure of a final product being processed along a manufacturing line, the method comprising: obtaining historical process data from prior subassemblies previously processed along the same manufacturing line as the subassembly, the historical process data being obtained from the prior subassemblies while at the processing stage; and predicting, with the predictor and using both the historical process data and the current process data, success/failure of the subassembly if the subassembly is assembled to the final product, wherein predicting occurs before assembly of the final product; claims 31-33, depends on allowable claim 30.

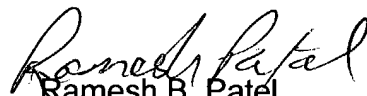
Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

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3. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Ramesh B. Patel whose telephone number is 703-308-6673. The examiner can normally be reached on M-Th; 7:00 AM to 5:30 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Anthony Knight can be reached on 703-308-3179. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

  
Ramesh B. Patel  
Primary Examiner 7/6/04  
Art Unit 2121

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